Aeronautics Educator Guide			
2006 Science			
Content Standards			
Idaho Science			
Grade 2			
Activity/Lesson	**State**	**Standards**	
Air Engines (12-16)	ID	SCI.2.2.S.1.2.1	Make observations, record and interpret data.
Air Engines (12-16)	ID	SCI.2.2.S.1.3.1	Measure in standard and non-standard units.
Air Engines (12-16)	ID	SCI.2.2.S.1.6.2	Make observations.
Air Engines (12-16)	ID	SCI.2.2.S.1.6.1	Identify questions to be investigated.
Air Engines (12-16)	ID	SCI.2.2.S.1.6.4	Communicate observations.
Air Engines (12-16)	ID	SCI.2.2.S.2.2.1	Explain how force affects the position and motion of objects.
Rotor Motor (69-75)	ID	SCI.2.2.S.1.2.1	Make observations, record and interpret data.
Where is North? The Compass Can Tell Us (87-90)	ID	SCI.2.2.S.1.2.1	Make observations, record and interpret data.
Where is North? The Compass Can Tell Us (87-90)	ID	SCI.2.2.S.1.6.1	Identify questions to be investigated.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	ID	SCI.2.2.S.1.2.1	Make observations, record and interpret data.
Dunked Napkin (17-22)	ID	SCI.2.2.S.1.2.1	Make observations, record and interpret data.
Dunked Napkin (17-22)	ID	SCI.2.2.S.1.6.1	Identify questions to be investigated.
Dunked Napkin (17-22)	ID	SCI.2.2.S.1.6.3	Analyze information and evidence.
Dunked Napkin (17-22)	ID	SCI.2.2.S.2.1.1	List properties of an object.
Dunked Napkin (17-22)	ID	SCI.2.2.S.5.2.1	Identify tools people have invented for everyday life and for scientific investigations.
Paper Bag Mask (23-28)	ID	SCI.2.2.S.1.3.1	Measure in standard and non-standard units.
Paper Bag Mask (23-28)	ID	SCI.2.2.S.1.5.1	Identify shape and use of objects.
Paper Bag Mask (23-28)	ID	SCI.2.2.S.1.6.1	Identify questions to be investigated.
Paper Bag Mask (23-28)	ID	SCI.2.2.S.1.8.1	Follow multi-step instructions.
Wind in Your Socks) (29-35)	ID	SCI.2.2.S.1.2.1	Make observations, record and interpret data.
Wind in Your Socks) (29-35)	ID	SCI.2.2.S.1.3.1	Measure in standard and non-standard units.
Wind in Your Socks) (29-35)	ID	SCI.2.2.S.1.6.2	Make observations.
Wind in Your Socks) (29-35)	ID	SCI.2.2.S.1.6.1	Identify questions to be investigated.
Wind in Your Socks) (29-35)	ID	SCI.2.2.S.1.6.4	Communicate observations.
Wind in Your Socks) (29-35)	ID	SCI.2.2.S.4.1.1	Describe the characteristics of different weather conditions.

Right Flight (52-59)	ID	SCI.2.2.S.1.2.1	Make observations, record and interpret data.
Delta Wing Glider (60-68)	ID	SCI.2.2.S.1.2.1	Make observations, record and interpret data.
Aeronautics Educator Guide			
2006 Science			
Content Standards			
Idaho Science			
Grade 3			
Activity/Lesson	**State**	**Standards**	
Air Engines (12-16)	ID	SCI.3.3.S.1.2.1	Make observations, collect data and evaluate it.
Air Engines (12-16)	ID	SCI.3.3.S.1.3.1	Measure changes that occur.
Air Engines (12-16)	ID	SCI.3.3.S.1.6.1	Identify questions that can be answered by conducting scientific tests.
Air Engines (12-16)	ID	SCI.3.3.S.2.1.1	Use instruments to measure properties.
Rotor Motor (69-75)	ID	SCI.3.3.S.1.6.1	Identify questions that can be answered by conducting scientific tests.
Making Time Fly (80-86)	ID	SCI.3.3.S.1.6.7	Communicate the results of tests to others.
Where is North? The Compass Can Tell Us (87-90)	ID	SCI.3.3.S.1.6.1	Identify questions that can be answered by conducting scientific tests.
Let's Build a Table Top Airport (91-96)	ID	SCI.3.3.S.1.2.2	Replicate and/or use models.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	ID	SCI.3.3.S.1.2.2	Replicate and/or use models.
Dunked Napkin (17-22)	ID	SCI.3.3.S.1.2.1	Make observations, collect data and evaluate it.
Dunked Napkin (17-22)	ID	SCI.3.3.S.1.6.1	Identify questions that can be answered by conducting scientific tests.
Dunked Napkin (17-22)	ID	SCI.3.3.S.1.6.4	Use data to construct a reasonable explanation.
Dunked Napkin (17-22)	ID	SCI.3.3.S.1.6.5	Make simple predictions based on data.
Dunked Napkin (17-22)	ID	SCI.3.3.S.2.1.1	Use instruments to measure properties.
Paper Bag Mask (23-28)	ID	SCI.3.3.S.1.3.1	Measure changes that occur.
Paper Bag Mask (23-28)	ID	SCI.3.3.S.1.5.1	Describe the relationship between shape and use.
Paper Bag Mask (23-28)	ID	SCI.3.3.S.1.6.1	Identify questions that can be answered by conducting scientific tests.
Paper Bag Mask (23-28)	ID	SCI.3.3.S.1.6.5	Make simple predictions based on data.
Paper Bag Mask (23-28)	ID	SCI.3.3.S.2.1.2	Identify the physical properties of solids, liquids, and gases.
Paper Bag Mask (23-28)	ID	SCI.3.3.S.2.1.1	Use instruments to measure properties.
Wind in Your Socks) (29-35)	ID	SCI.3.3.S.1.2.1	Make observations, collect data and evaluate it.
Wind in Your Socks) (29-35)	ID	SCI.3.3.S.1.3.1	Measure changes that occur.

Wind in Your Socks) (29-35)	ID	SCI.3.3.S.1.6.1	Identify questions that can be answered by conducting scientific tests.
Wind in Your Socks) (29-35)	ID	SCI.3.3.S.1.6.3	Use appropriate tools and techniques to gather and display data.
Wind in Your Socks) (29-35)	ID	SCI.3.3.S.1.6.4	Use data to construct a reasonable explanation.
Wind in Your Socks) (29-35)	ID	SCI.3.3.S.2.1.1	Use instruments to measure properties.
Bag Balloons (40-43)	ID	SCI.3.3.S.1.6.1	Identify questions that can be answered by conducting scientific tests.
Bag Balloons (40-43)	ID	SCI.3.3.S.2.1.3	Explain that heating and cooling can cause changes of state in common materials.
Sled Kite (44-51)	ID	SCI.3.3.S.1.6.1	Identify questions that can be answered by conducting scientific tests.
Sled Kite (44-51)	ID	SCI.3.3.S.2.1.1	Use instruments to measure properties.
Right Flight (52-59)	ID	SCI.3.3.S.1.2.2	Replicate and/or use models.
Right Flight (52-59)	ID	SCI.3.3.S.1.6.5	Make simple predictions based on data.
Delta Wing Glider (60-68)	ID	SCI.3.3.S.1.2.2	Replicate and/or use models.
Delta Wing Glider (60-68)	ID	SCI.3.3.S.1.6.5	Make simple predictions based on data.
Aeronautics Educator Guide			
2006 Science			
Content Standards			
Idaho Science			
Grade 4			
Activity/Lesson	**State**	**Standards**	
Air Engines (12-16)	ID	SCI.4.4.S.1.2.1	Make and record observations then analyze and communicate the collected data.
Air Engines (12-16)	ID	SCI.4.4.S.1.2.2	Define observations and inferences.
Air Engines (12-16)	ID	SCI.4.4.S.1.3.1	Describe how changes occur and can be measured.
Air Engines (12-16)	ID	SCI.4.4.S.1.6.1	Write questions that can be answered by conducting scientific tests.
Air Engines (12-16)	ID	SCI.4.4.S.2.1.1	Use instruments to measure properties
Rotor Motor (69-75)	ID	SCI.4.4.S.1.2.1	Make and record observations then analyze and communicate the collected data.
Rotor Motor (69-75)	ID	SCI.4.4.S.1.6.1	Write questions that can be answered by conducting scientific tests.
Flight: Interdisciplinary Learning Activities (76-79)	ID	SCI.4.4.S.1.2.1	Make and record observations then analyze and communicate the collected data.
Making Time Fly (80-86)	ID	SCI.4.4.S.1.2.1	Make and record observations then analyze and communicate the collected data.
Making Time Fly (80-86)	ID	SCI.4.4.S.1.6.7	Communicate the results of tests to others in multiple formats.
Where is North? The Compass Can Tell Us (87-90)	ID	SCI.4.4.S.1.2.2	Define observations and inferences.
Let's Build a Table Top Airport (91-96)	ID	SCI.4.4.S.1.2.3	Make, describe and/or use models.

We Can Fly, You and I: Interdisciplinary Learning (107-108)	ID	SCI.4.4.S.1.2.1	Make and record observations then analyze and communicate the collected data.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	ID	SCI.4.4.S.1.2.3	Make, describe and/or use models.
Dunked Napkin (17-22)	ID	SCI.4.4.S.1.2.1	Make and record observations then analyze and communicate the collected data.
Dunked Napkin (17-22)	ID	SCI.4.4.S.1.6.1	Write questions that can be answered by conducting scientific tests.
Dunked Napkin (17-22)	ID	SCI.4.4.S.1.6.4	Use data to construct a reasonable explanation.
Dunked Napkin (17-22)	ID	SCI.4.4.S.1.6.5	Make predictions based on data.
Dunked Napkin (17-22)	ID	SCI.4.4.S.2.1.2	Describe the physical properties of solids, liquids, and gases.
Dunked Napkin (17-22)	ID	SCI.4.4.S.2.1.1	Use instruments to measure properties
Paper Bag Mask (23-28)	ID	SCI.4.4.S.1.2.2	Define observations and inferences.
Paper Bag Mask (23-28)	ID	SCI.4.4.S.1.3.1	Describe how changes occur and can be measured.
Paper Bag Mask (23-28)	ID	SCI.4.4.S.1.5.1	Explain the relationship between shape and use.
Paper Bag Mask (23-28)	ID	SCI.4.4.S.1.6.5	Make predictions based on data.
Paper Bag Mask (23-28)	ID	SCI.4.4.S.2.1.2	Describe the physical properties of solids, liquids, and gases.
Paper Bag Mask (23-28)	ID	SCI.4.4.S.2.1.1	Use instruments to measure properties
Wind in Your Socks) (29-35)	ID	SCI.4.4.S.1.2.1	Make and record observations then analyze and communicate the collected data.
Wind in Your Socks) (29-35)	ID	SCI.4.4.S.1.2.2	Define observations and inferences.
Wind in Your Socks) (29-35)	ID	SCI.4.4.S.1.3.1	Describe how changes occur and can be measured.
Wind in Your Socks) (29-35)	ID	SCI.4.4.S.1.6.1	Write questions that can be answered by conducting scientific tests.
Wind in Your Socks) (29-35)	ID	SCI.4.4.S.1.6.3	Use appropriate tools and techniques to gather and display data.
Wind in Your Socks) (29-35)	ID	SCI.4.4.S.1.6.4	Use data to construct a reasonable explanation.
Wind in Your Socks) (29-35)	ID	SCI.4.4.S.2.1.1	Use instruments to measure properties
Bag Balloons (40-43)	ID	SCI.4.4.S.1.6.1	Write questions that can be answered by conducting scientific tests.
Bag Balloons (40-43)	ID	SCI.4.4.S.2.1.3	Explain the changes caused by heating and cooling materials.
Sled Kite (44-51)	ID	SCI.4.4.S.1.6.1	Write questions that can be answered by conducting scientific tests.
Sled Kite (44-51)	ID	SCI.4.4.S.2.1.1	Use instruments to measure properties
Right Flight (52-59)	ID	SCI.4.4.S.1.2.2	Define observations and inferences.
Right Flight (52-59)	ID	SCI.4.4.S.1.2.3	Make, describe and/or use models.

Right Flight (52-59)	ID	SCI.4.4.S.1.6.5	Make predictions based on data.
Delta Wing Glider (60-68)	ID	SCI.4.4.S.1.2.2	Define observations and inferences.
Delta Wing Glider (60-68)	ID	SCI.4.4.S.1.2.3	Make, describe and/or use models.
Delta Wing Glider (60-68)	ID	SCI.4.4.S.1.6.5	Make predictions based on data.